Technical Description and Operating Instructions

Impaq® 300 Blu-ray

2.1 home cinema system with Blu-ray receiver

Teufel

Contents

General notes and information 3

Safety notes 4

Overview 6

Control elements and connections 7

Setup and connection 9

- Setup location 9
- Setting up the speakers 9
- Stereo speakers 9
- Subwoofer 9
- Connecting the speakers 9
- Wall mounting 10
- Mounting on the speaker stand M 50 P 10
- Antenna 10
- Network/Internet 10
- Television/projector 11
- Digital audio outputs 11
- Inputs for source devices 11
- Connecting to a power supply 11

Remote control 12

Basic functions 13

- Sensor buttons 13
- Activating and deactivating 13
- Selecting a source 13
- Adjusting the volume 13
- Mute 13

Main menu 14

- Quick setup 14
- Settings 15
- “Display” menu 15
- “Audio” menu 15
- “Language” menu 15
- “Parental control” menu 16
- “System” menu 16
- “Network” menu 17
- “BD-Live” menu 17

Audio setup 18

Special function buttons 19

- “Resolution” button 19
- “Tone” button 19
- “Level” button 19
- “A B C D” buttons 19

BD/DVD/CD mode 20

Radio playback 21

- Select “Radio” source 21
- Setting the radio stations 21
- Station memory 21
- Saving stations automatically 21
- Saving stations manually 21
- Selecting stations from the memory 21
- Stereo/mono 21

USB mode 22

Playback functions 23

- General playback information 23
- Extra display for file playback 23
- BD and DVD playback 23
- Jumping to track, chapter or placemark 24
- Camera angle (PIP) 24
- Selecting files 24
- Playback options 25
- “Play files” menu item 25
- “Start slideshow” menu item 25
- Start slideshow from a certain photo 25
- Slideshow with music 25
- Repeat function (Repeat) 25
- Repeat section 25

Troubleshooting 26

Care and cleaning 27

Protecting the environment 28

Technical data 28

General notes and information

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Covered by one or more of the following U.S. patents: *7,295,673; 7,460,668; 7,515,710; 7,519,274*

ABOUT DIVX VIDEO

DivX® is a digital video format created by DivX, LLC, a subsidiary of Rovi Corporation. This is an official DivX Certified® device that plays DivX video. Visit divx.com for more information and software tools to convert your files into DivX videos.

ABOUT DIVX VIDEO-ON-DEMAND

This DivX Certified® device must be registered in order to play purchased DivX Video-on-Demand (VOD) movies. To obtain your registration code, locate the DivX® VOD section in your device setup menu. Go to www.divx.com for more information on how to complete your registration.

Original packaging

If you wish to exercise your eight-week right of return, we ask that you be absolutely sure to hold onto the packaging. We can only accept the return of the device with ORIGINAL-PACKAGING.
Empty boxes are not available!

Complaints

In case of complaint we will need the following information to process your enquiry:

1. Invoice Number

Can be found on the sales slip (enclosed with the product) or on the order confirmation received as a PDF document, e.g. 4322543.

2. Serial number or batch number

Located on the back side of the unit,
e.g. serial #: IL30009440122A-123

Many thanks for your support!

Contact

For questions, suggestions or criticism please contact our customer service department:
Lautsprecher Teufel GmbH
Gewerbehof Buelowbogen
Buelowstrasse 66
10783 Berlin (Germany)
Phone: 00800 - 200 300 400 (free of charge)
Fax: +49 (0)30 / 300 930 930
E-mail: service@teufelaudio.com
www.teufelaudio.com

Safety notes

Caution icons

You will find the following caution icons in these instructions:

Danger **High risk!**
Failure to observe the warning may result in severe personal injury or death.

Attention **Moderate risk!**
Failure to observe the warning may result in property damage.

! **Minor risk!**
Points which should be observed when handling the unit.

Safety notes

Danger **Risk of electric shock!**
Faulty installation of electrical equipment or mains voltage which is too high can cause electric shocks.

- The device is only suitable for use with a power supply voltage of 220 V–240 V ~ / 50 Hz/60 Hz.
- If the unit's case or mains cable is defective or shows other signs of visible damage, disconnect the mains adapter immediately from the socket and do not operate the device.
- If the device produces smoke, a burning odour or emits unusual sounds, immediately disconnect it from the mains and discontinue use.
- The standby button does not disconnect the unit from the power supply. Please pull the power plug to completely disconnect it from the power source.
- The power plug must be easily accessible in order to disconnect the device from the power supply at any time.
- Never open the device casing.
  Repairs may only be carried out by an authorised specialist workshop. Only parts which conform with the original unit specifications may be used in this case. This device contains electrical and mechanical parts that are imperative for providing protection against sources of danger.
- Do not insert any objects through the vent slots in the case.
- Only use the unit in indoor areas.
- Do not use the unit in damp areas and protect it from drops of water and splash water.
  Also take care not to stand vases or other containers filled with liquid on or near the device in order to avoid liquid getting into the case. If water or other foreign objects do penetrate the case, immediately disconnect the mains plug and if applicable, remove any batteries. Then send the unit to our service address.
- Never touch the mains adapter with damp hands.
- Check the unit regularly for damage.

Danger **Danger to children!**
Children can become trapped in the packing film when playing and suffocate.

- Do not allow children to play with the unit or the packing film. Danger of suffocation.
- Ensure that children do not remove small parts from the unit or take them off of the unit (e.g. control knobs or plug adapters). They could swallow the parts and choke.
  Never allow children to operate electrical devices unsupervised.

Danger **Danger to eyes and skin!**
If the disc tray is open and the lock is disabled, an invisible laser beam or visible laser light is emitted.

- Do not look into the beam, even if you are using optical instruments.

Danger **Danger to hearing!**
Loud noise may lead to hearing loss.
This may have psychological consequences and also cause physical injury. Children and pets are particularly at risk.

- Set your signal source unit volume control to a low setting.
- When the volume is set high, always keep a certain distance from the unit and never place your ear directly on the speaker.
- To avoid damage to health, avoid extended listening at high volume.

Danger **Danger of chemical burns!**
Leaking battery acid may lead to chemical burns.

- Do not allow battery acid to come into contact with skin, eyes and mucus membranes. In case of contact with acid rinse the affected location immediately with plenty of plain water and if necessary see a doctor.

Danger **Danger of injury/damage!**
Incorrect location may result in damage.

- Do not use the device in vehicles without having it secured, in unstable locations, on wobbly tripods or furniture, on insufficiently dimensioned brackets etc. The device could tip or fall down and cause injury to persons or be damaged itself.
- Place the speakers in such a way that they cannot be knocked over inadvertently and make sure that the cables do not pose a trip hazard.
- Ensure that any wall mounting is performed in a professional manner.
- Only use suitable wall brackets for mounting. Verify the carrying capacity of the walls.
- Only set up the device and the speakers on stable, level surfaces.

- Do not place the unit near sources of heat (e.g. heaters, ovens, other heat generating equipment such as amplifiers etc.).

Danger

Danger of explosion!
Batteries and rechargeable batteries may explode if overheated.

- Never attempt to recharge normal batteries.
- Do not expose batteries or rechargeable batteries to heat and never throw them in open fire.

Attention

Fire hazard!
Improper use may lead to damage or fire.

- Do not place open flames such as burning candles or similar on the unit.
- Ensure sufficient ventilation.
- Do not place the unit in direct sunlight.
- Do not cover the ventilation slots with curtains, blankets, newspapers or similar. Heat build-up inside the unit can shorten the lifetime of the unit.

Attention

Risk of damage!
Power overload due to lightning strike may damage or destroy the unit.

- If the unit is to be left unsupervised for a long period (e.g. during a holiday), or if a thunderstorm is forecast, disconnect it from the mains power supply.
- If the device is subjected to warm temperatures after being cold (e.g. after transport), condensation may occur inside of it.
  In this case, wait at least 2 hours before you connect and activate it.
- Old, used batteries may leak.
  In case of prolonged absence remove the batteries from the remote control.

Proper use

The device is designed for playback or transmission of audio and video signals. Use the unit only as described in these operating instructions. Any other use will be deemed as not in accordance with the instructions and may lead to damage to property or even persons.
The manufacturer accepts no liability for damage caused by use not in accordance with the instructions.
The unit is intended for private use.

Before you operate the unit for the first time, please first carefully read through the safety notes and operating instructions. This is the only way to use all functions safely and reliably.
Keep the operating instructions safe and pass them on to anyone who may own the unit after you.

Overview

Product contents

① 1x Blu-ray receiver IP 300 BR

② 1 x remote control IP 300 RC

③ 2 x micro/AAA batteries for the remote control

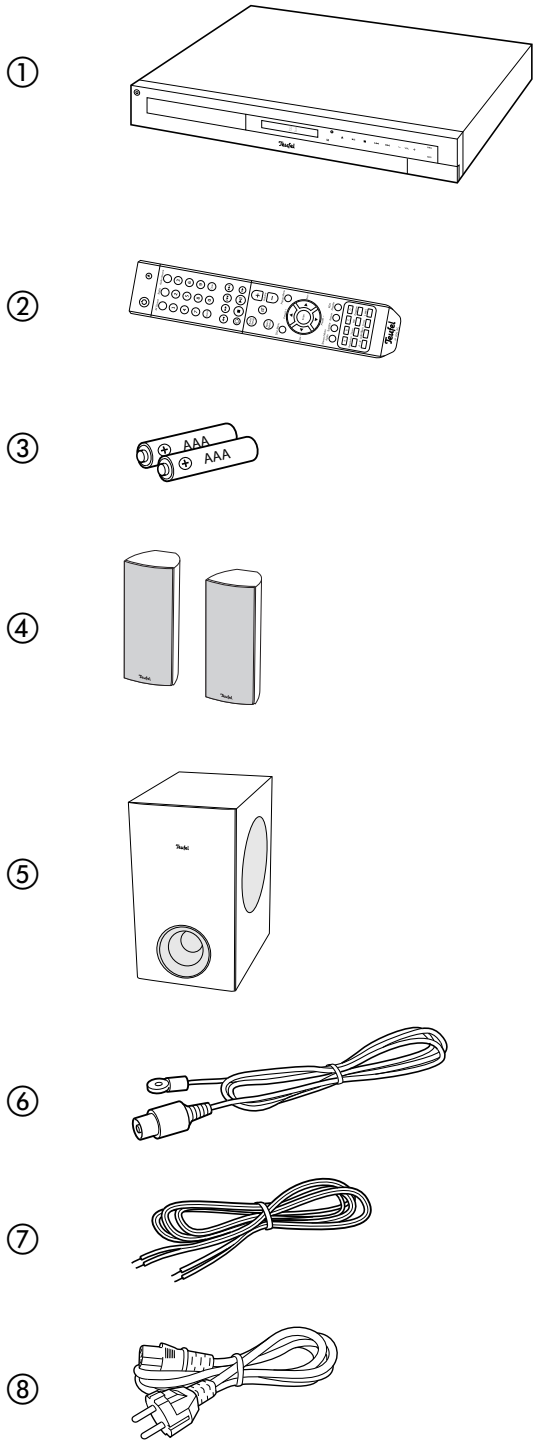
④ 2x IP 3000 FR stereo speakers

⑤ 1x IP 300 SW subwoofer

⑥ 1 x FM throw-out aerial

⑦ 3 x speaker cables

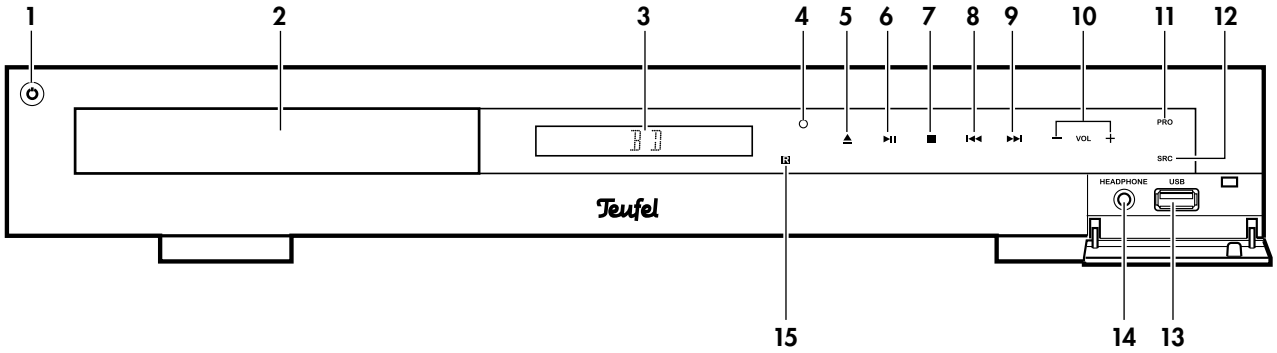
⑧ 1 x power cord



Check to be sure

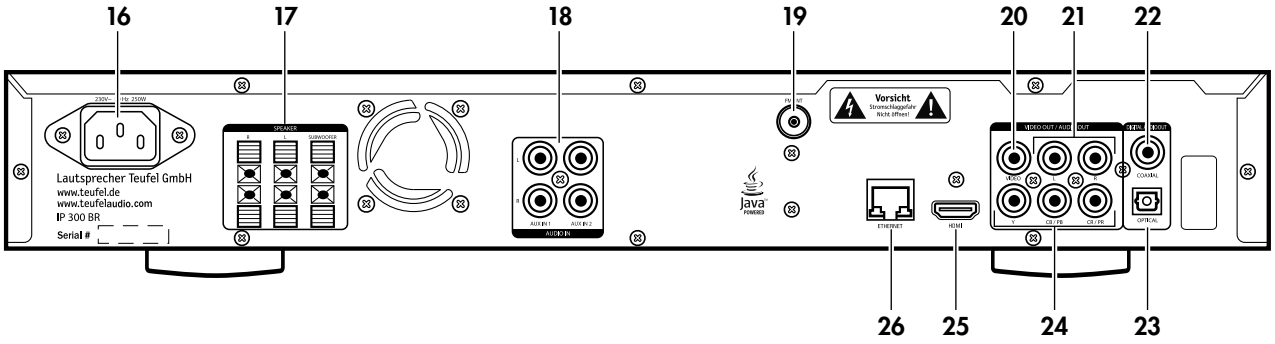
- Check that all items have been delivered and that nothing is damaged.
- If the delivery is incomplete or you find damage sustained in transit, do not operate the unit but contact our service department (see page 3).

Control elements and connections



Item	Name	Description
1	⏻	Switch the device on/to standby
2	–	Disk tray
3	–	Display (display panel)
4	–	Standby display
5	⏏	Disk eject button
6	▶II	Playback/pause
7	■	Stop button
8	I◀◀	Skip back

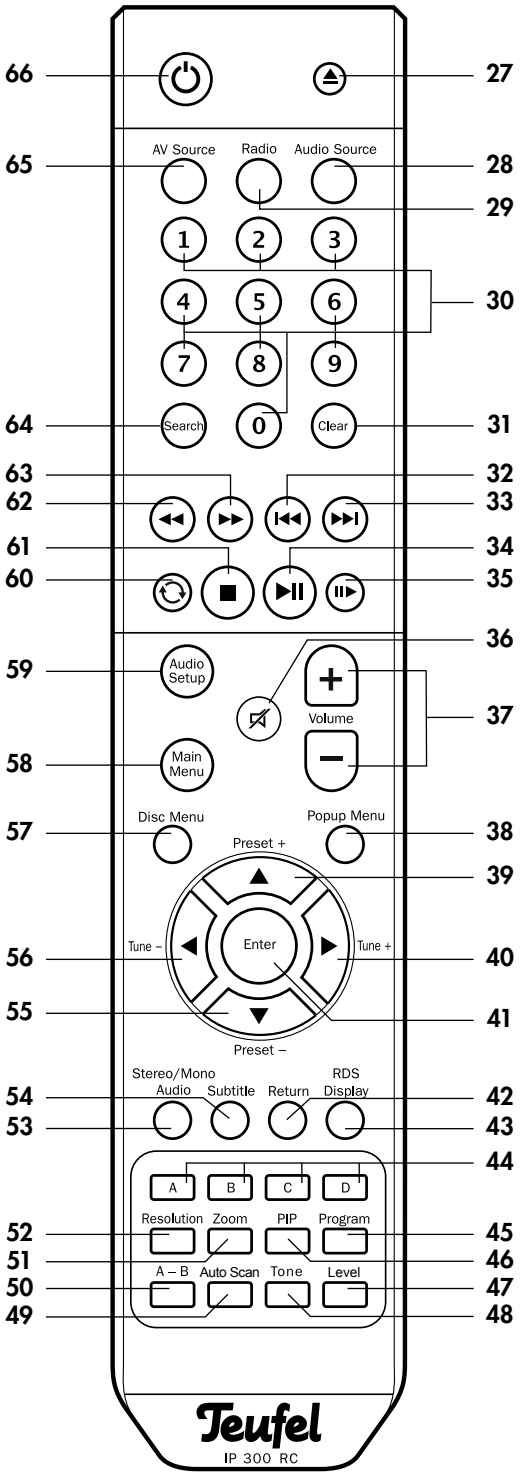
Item	Name	Description
9	▶▶I	Skip forward
10	**– Volume +**	Volume buttons
11	**Pro**	Save a radio station
12	**Src**	Selection of the source device
13	**USB**	USB connection
14	**Headphones**	Earphone connection
15	**IR**	Infrared receiver



Item	Name	Description
16	–	Connector jack for power cord
17	**SPEAKERS**	Speaker connections
18	**AUX IN 1, 2**	Input jacks for analogue audio source devices
19	**FM ANT**	Antenna connection FM/USW
20	**VIDEO**	Output jack for TV/projector with FBAS video
21	**L R**	Output jacks for analogue stereo sound

Item	Name	Description
22	**COAXIAL**	Output jack for digital sound signals via RCA cable
23	**OPTICAL**	Output jack for digital sound signals via an optical conductor
24	**Y CB/PB CR/PR**	Output jacks for TV/projector with component video
25	**HDMI**	Output jack for TV/projector with HDMI connection
26	**ETHERNET**	Network/Internet connection

Remote control



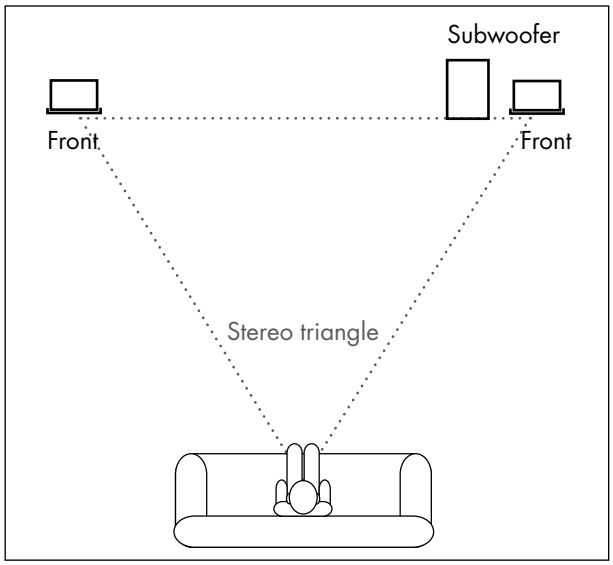
Item	Name	Description
27	⏏	Open tray
28	**Audio source**	Select audio input
29	**Radio**	Select radio
30	**1...0**	Number buttons
31	**Clear**	Delete button
32	⏮	Skip to the beginning of the track or to the previous track
33	⏭	Skip to the next track
34	⏯	Playback/pause
35	⏯	Frame-by-frame button
36	🔇	Mute speakers
37	**+ Volume –**	Increase/decrease volume
38	**Popup Menu**	Access popup menu of the BD or the preferences panel for the slide show
39	**▲ Preset +**	Station memory/navigation up
40	**► Tune +**	Frequency forward, navigation right
41	**Enter**	Select button
42	**Return**	Leave setting/menu
43	**RDS/Display**	Show information
44	**A B C D**	Control buttons for BD programs
45	**Program**	Radio: Save to station memory slots
46	**PIP**	Frame-by-frame function for BD
47	**Level**	Individually adjust the speaker volume
48	**Tone**	Adjusting the sound
49	**Auto Scan**	Automatically save radio stations
50	**A - B**	Segment repeat
51	**Zoom**	Enlarge image
52	**Resolution**	Set resolution
53	**Stereo/Mono Audio**	Radio: Switch between stereo/mono, audio settings
54	**Subtitle**	Activate/deactivate/switch subtitles
55	**▼ Preset –**	Station memory/navigation down
56	**◄ Tune –**	Frequency back, navigation left
57	**Disc Menu**	Access the BD/DVD menu
58	**Main Menu**	Access the main menu
59	**Audio Setup**	Change the audio settings
60	🔁	Set repeat/random order
61	■	1 x = pause playback 2 x = stop playback
62	◄◄	Fast rewind
63	►►	Fast forward
64	**Search**	Select specific starting point
65	**AV Source**	Select BD/DVD and USB mode
66	⏻	Switch the device on or to standby

Setup and connection

Setup location

- Select a stable, level base.
- Make sure that the environment is clean and free from dust.
- Avoid placing the unit close to sources of heat or in direct sunlight.
- Arrange the connector cables so that they do not pose a trip hazard.
- Do not place any heavy objects on the cables, the speakers or the device.
- The device should have approx. 10 cm of clearance on all sides to ensure adequate circulation of air.

Setting up the speakers



Stereo speakers

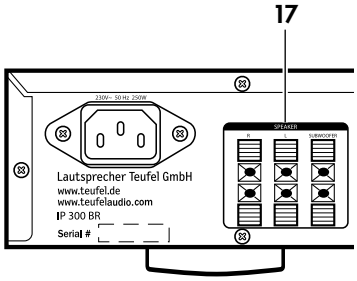
The front speakers are set up to the right and left of the screen or hung at a height of approx. 40 to 120 cm. They should form an equilateral triangle with the listener – the so-called stereo triangle (distance from the listener = distance between the speakers). The speakers should project sound directly into the room or slightly towards the listener.

Subwoofer

You can freely select the location of the subwoofer, this does not affect the other speakers. However, do not place it in the corner of a room as this may cause uncontrollable frequency overloads. A location between the front speakers is often ideal.

Connecting the speakers

Use the enclosed coloured speaker cables to connect the speakers. You can order longer cables if you need them in our webshop (www.teufel.de) in the "Accessories" area.



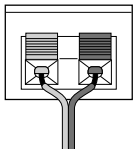
The coloured connector terminals **17** "Speakers" for the 3 speakers are located on the back side of the receiver:

Colour	Speaker	Label
red/black	Front right	R
white/black	Front left	L
purple/black	Subwoofer	SUBWOOFER

The speaker terminal clips and the enclosed speaker cables are marked with the same colours.

! **Make sure the polarity is correct!**
Connect the like-coloured terminals. Otherwise the sound quality will suffer.

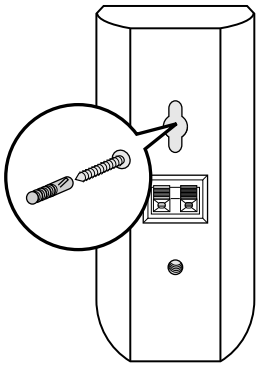
Now push down the respective connector terminal lever and run the cable end into the corresponding opening. Releasing the lever locks the cable in place.



Wall mounting

Danger **Risk of damage!**
Incorrect location may result in damage.

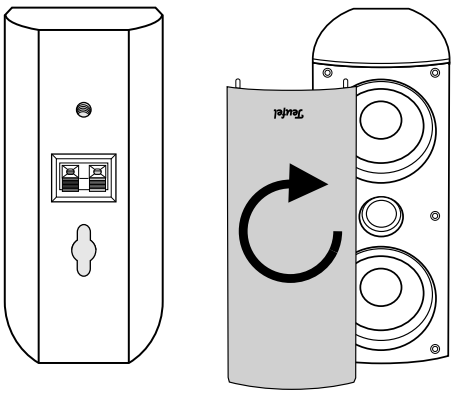
- Ensure that any wall mounting is performed in a professional manner.
- Only use suitable wall brackets for mounting. Verify the carrying capacity of the walls.



- You can mount the satellite speakers on the wall using the key hole opening on the back side of the speaker.
- You can purchase installation materials (cables, wall brackets and resonance dampers) especially designed for these speakers in our webshop (www.teufelaudio.com) in the "Accessories" area.

Mounting on the speaker stand M 50 P

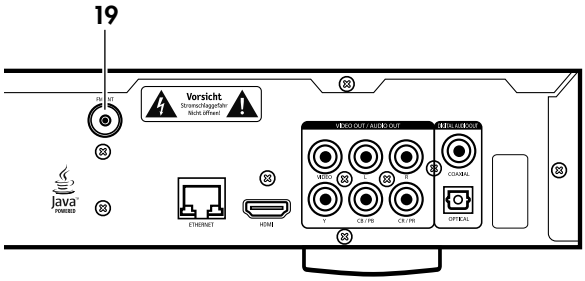
- As the speaker is quite high, it must be mounted on the speaker stand so that the key hole opening is located under the connector terminals. Otherwise the speaker would bump into the diagonal stand tube.



- Remove the protective grid from the speaker by carefully taking hold of it from behind and slowly pulling it off to the front.
- Turn the protective grid by 180° and put it back in place.
- When positioning, make sure that the installation pins slide exactly into the corresponding jacks on the speaker.

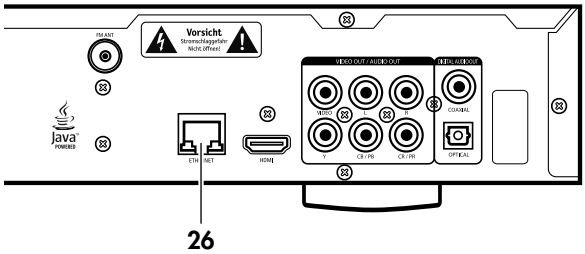
Antenna

Danger **Risk associated with lightning strike!**
If you are using outdoor or roof antennas, be absolutely sure that the antenna has lightning protection.



- Connect your FM/USW antenna to the jack **19** "FM ANT". This may be a roof/outside antenna, but also a cable television connection. You will need a coaxial connector cable for this.
- If no antenna connection is available at the installation location, you can use the enclosed throw-out aerial ⑥. Insert the antenna plug in the jack **19** "FM ANT" and adjust the position of the throw-out aerial for best reception. Then fix the antenna in place with adhesive tape or a nail.

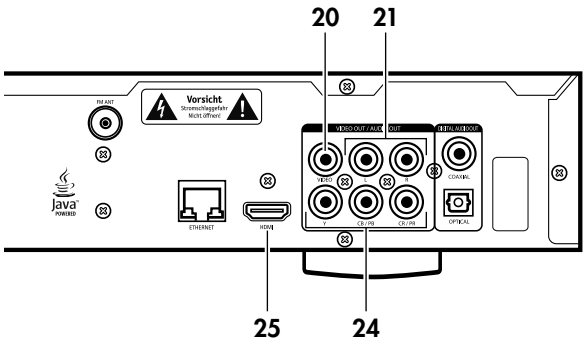
Network/Internet



The receiver requires a network connection for the Internet functions (BD-Live) and firmware updates. Connect your network or router with the jack **26** "ETHERNET" via a network cable.

Television/projector

You can connect a television set or projector to the following outputs:

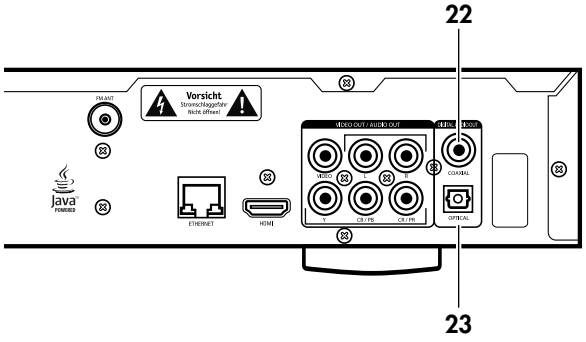


25 HDMI OUT
Digital video and audio signals via an HDMI cable. Ideally, you should use this output as video signals are emitted in HD resolution only here.

24 Y CB/PB CR/PR
Analogue component picture signal via a triple RCA cable. When connecting, pay attention to the colour of the jacks (green, blue and red). Analogue sound can be issued via the RCA jacks **21** "L R".

20 VIDEO
Analogue picture signal (FBAS) via an RCA cable. Here, analogue sound can be issued via the RCA jacks **21** "L R" too.

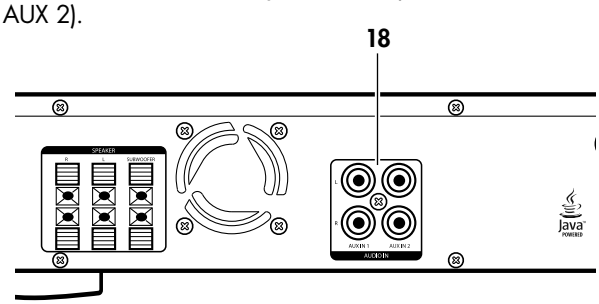
Digital audio outputs



22 COAXIAL/23 OPTICAL
You can connect the coaxial or optical digital sound input from an external source, e.g. a home cinema system or a recorder, here.
You will need a coaxial cable with RCA plugs for the coaxial connection.
You will need an optical cable with TOSLINK plug for the optical connection. Your external device requires an optical 3.5 mm plug or a TOSLINK plug too.

Inputs for source devices

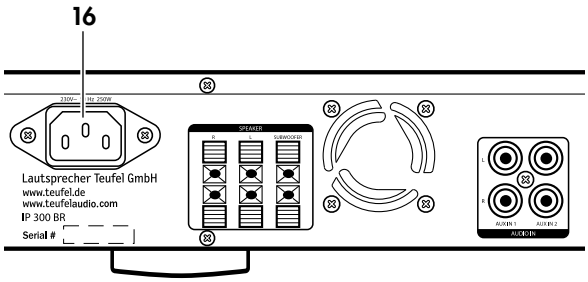
The receiver has 2 analogue sound inputs (AUX 1 and AUX 2).



You can, for example, connect the sound output of your television set to one of these inputs to enjoy audio playback from the receiver as well when watching television shows. Consult the operating instructions of your television for this.

18 AUX IN 1 and 2
Here you can connect one source device with analogue sound each. You will need a stereo RCA cable (L and R) for this.

Connecting to a power supply



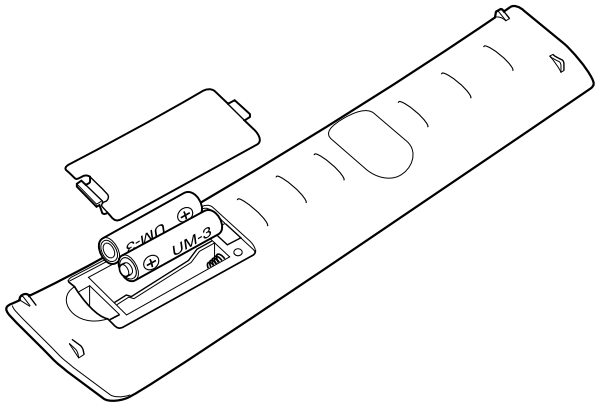
Connect the mains connection jack **16** via the power cord ⑧ with an easily accessible socket.

Remote control

You will need two micro-type or AAA batteries with 1.5 Volt (included in the product contents) in order to operate the remote control.

Inserting batteries

1. Push the clip of the battery compartment on the back side of the remote control towards the arrow and then remove the lid to the top.
2. If applicable, remove any old batteries (please observe the notes on page 28).
3. Insert the batteries in the battery compartment as shown in the figure.
4. Place the cover back on the compartment and push it closed.



Functionality

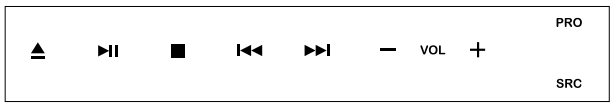
The remote control relays the control signals by means of infrared light. For this, you must point the front of the remote control towards the receiver. Make sure that the infrared light is not obstructed by objects.

Fluorescent lamps and energy saving lamps installed in the direct vicinity may affect the functions of the remote control or even impair them.

Basic functions

Sensor buttons

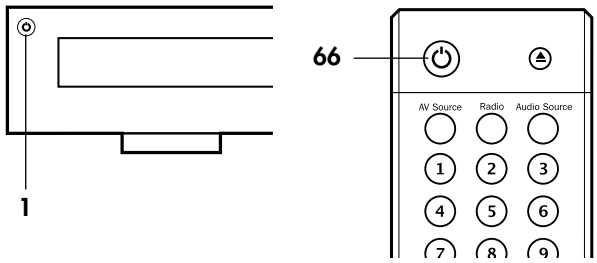
The buttons on the front side of the receiver are sensor buttons: Gently touching them is enough to trigger a switch operation.



Activating and deactivating

- You can switch your receiver to operational mode or standby mode with the button **1** or **66** "⏻".
- The red standby light will illuminate in standby mode **4**.

Standby does not disconnect the device from the mains. To completely deactivate it, you must pull the power plug out of the socket.

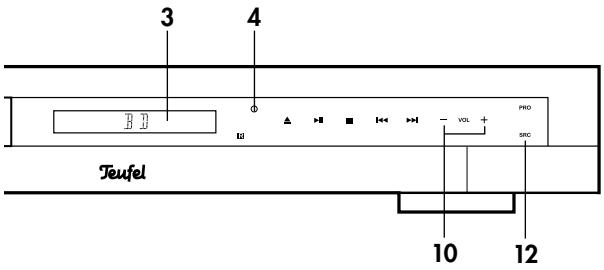


Selecting a source

After turning the device on, the last source device selected is activated.

- You can change the source in this order with the button **12** "SRC":
  bD (BD/DVD/CD and USB), TUNER, AUX 1, AUX 2.
- Or you can switch the source with the direct selection buttons:
  65 "AV Source" – DISC or USB
  29 "Radio"
  28 "Audio Source" – AUX 1, AUX 2

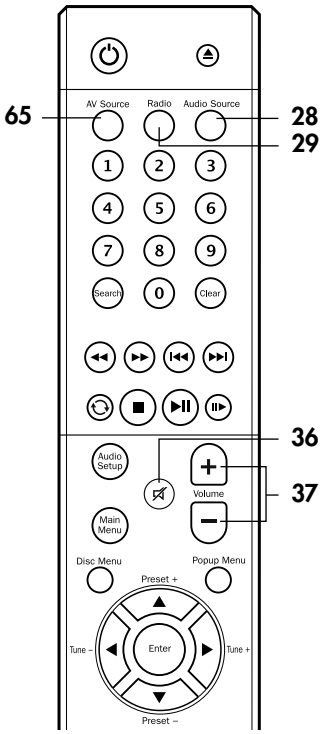
The selected source is shown in the display panel **3**.



Adjusting the volume

- Increase the volume: Push the button **10** "Vol +" or the button **37** "Volume +".
- Decrease the volume: Push the button **10** "Vol –" or the button **37** "Volume –".

The selected volume is shown in the display panel **3** in the range from 0 (low) to 40 (high).



Mute

- Turn off the sound with the button **36** "🔇".
  The notice "MUTE ON" will appear in the display panel **3**.
- Turn the sound back on: Push the button **36** "🔇" again or adjust the volume.

Main menu

You can set most receiver functions via the main menu. You can control the menu with the remote control. The menu is displayed on the connected television set.

Important
The menu functions are only available if "AV Source" is selected as the source.

Both devices must be activated, the image signal of the receiver must appear on the television set.

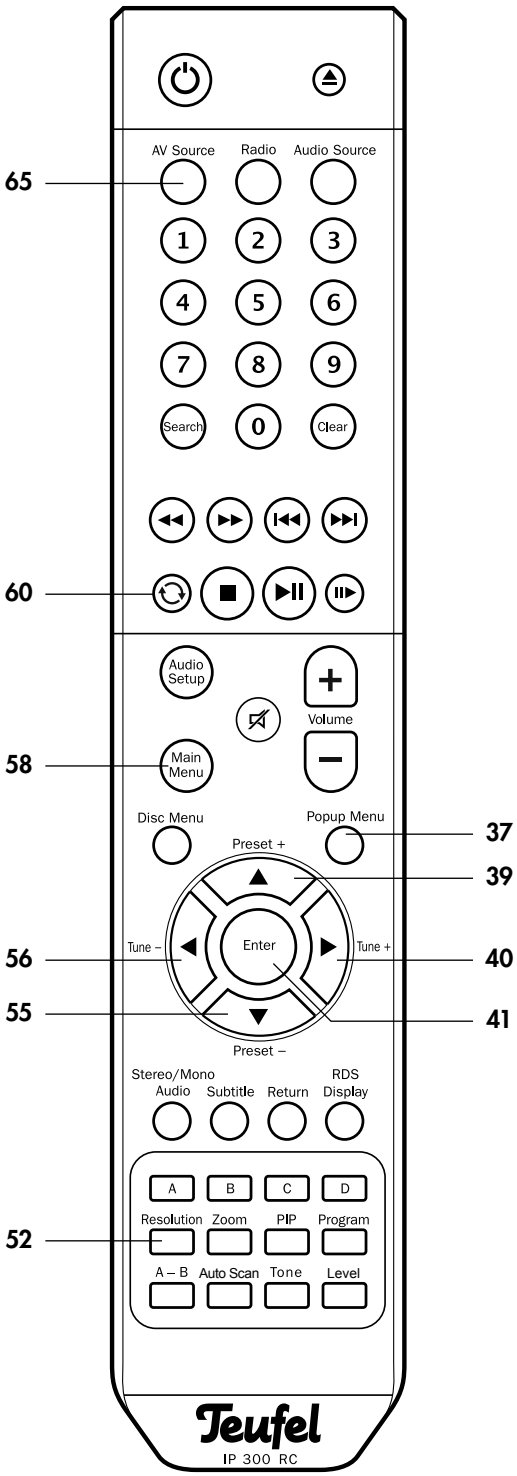
Quick Setup

You can make basic settings here.

1. Push the button **65** "AV Source" and open the main menu with the button **58** "Main Menu".
2. With the navigation buttons **39** "▲" and **55** "▼", select the item "Quick Setup" and **push** the enter button **41** twice.
   The menu "OSD language settings" will open.
3. Select "English" as the language and confirm with the enter button **41**.
   The "Resolution" menu will open.
   You can make the following settings here:

HDMI Auto	=	the highest possible resolution is automatically set
1080p	=	1920 × 1080 Pixels
1080i	=	1920 × 1080 Pixels
720p	=	1280 × 720 Pixels
576p	=	720 x 576 Pixels
576i	=	720 x 576 Pixels

   p = Full screen mode
   i = Half-screen mode (interlaced)
4. Select the resolution that your television set is able to render and confirm with the enter button **41**.
   The "Image format" menu will open.
   You can make the following settings here:
   16:9 Widescreen – 4:3 movies are shown with full height and extended width on a 16:9 television set.
   16:9 Pillarbox – 4:3 movies are shown with full height and black bars on the left and right on a 16:9 television set.
   4:3 Pan and Scan – 16:9 movies are shown with full height, but are cut off on the sides on a 4:3 television set.
   4:3 Letterbox – 16:9 movies are shown with full width and with black bars on the top and bottom on a 4:3 television set.
5. Select the image format that corresponds to your television set and confirm with the enter button **41**.
   The button "Exit" will appear.
6. Confirm "Exit" with the enter button **41**.
   This applies and saves the basic settings.



Settings

Here you define all device settings.

1. Push the button **65** "AV Source" and open the main menu with the button**58** "Main Menu".
2. With the navigation buttons **39** "▲" and **55** "▼", select the item "Settings" and confirm with the enter button **41** or the navigation button **40** "►".
   The submenu will open.
3. Select the desired menu item with the navigation buttons **39** "▲" and **55** "▼" and confirm with the enter button **41** or the navigation button **40** "►".
   Another submenu will open and first show an overview of the current settings.
   You can open other submenus and make settings in the same manner.
4. To return to the previous menu, push the button **42** "Return" or the navigation button **56** "◄".

"Display" menu

You can define the settings for the connected video playback device here (e.g. TV, projector).

"TV standard"

Set the cross colouring system for the connected television set:
NTSC – American standard
PAL – European standard
If in doubt, consult the operating instructions of your television set.

"Resolution"

Set the resolution of the television set for HD playback (also see the chapter "Quick Setup"). Possible settings:
HDMI Auto, 1080p, 1080i, 720p, 576p, 576i
HDMI Auto will automatically select the highest possible resolution.
Note: The resolution of 1080p is only available at the HDMI output **25**.
You can also make this setting with the special function button **52** "Resolution" (also see the chapter "Special function buttons").

"Image format"

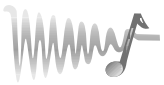
Adjust the image to the television set (also see the chapter "Quick Setup").

"Movie mode"

Movies on Blu-ray discs are saved at full resolution and 24 frames/second (1080p24). Not all television sets support such frame rates. The picture may flicker as a result. If this is the case, deactivate movie mode.
Note: 1080p are only issued via HDMI. No more than 1080i are available at the component output, independent from the setting "Movie mode".

"Colour depth"

You have the possibility to switch the setting for the colour depth to "Automatic" or "Off"



"Audio" menu

Here you define the audio settings for BD and DVD playback

"PCM downsampling"

Determines the sampling rate for the audio signal. Possible values:
Off – deactivated (192 kHz, Blu-ray quality)
96 kHz – equivalent to DVD quality
48 kHz – equivalent to CD quality

"Digital output"

Determines the audio output for the HDMI output **25** "HDMI OUT". Possible values:
PCM – Signal is mixed to 5.1 and transferred as PCM.
Bitstream HD – Relays the datastream from the blue-ray disc unchanged**.**
Bitstream Legacy – Relays the datastream from the Blu-ray disc in legacy audio format. Suitable for Dolby Digital 5.1, 6.1 and DTS 5.1.
Bitstream Mixed – Relays the datastream from the Blu-ray disc mixed and coded in a single datastream. Suitable for Dolby TrueHD and DTS HD Master Audio.

"Dynamic control"

This function is only active with Dolby Digital and increases the volume for quiet passages while reducing the volume for loud passages. Possible values: On, Off, Automatic.

"Language" menu

You can define the language for menus, subtitles and playback here.

OSD – Language for the menu functions (German or English).
Menu – Language for the DVD/Blu-ray menus. Multiple languages are available provisioning your DVD/Blu-ray supports them.
Audio – Language for the playback of DVDs/Blu-rays. Multiple languages are available for selection as long as they are supported by the DVD/Blu-ray.
Subtitles – Language for the subtitles for DVD/Blu-ray playback. Multiple languages are available for selection to the extent they are supported by the DVD/Blu-ray. The "Off" setting turns the subtitles off.

"Parental control" menu

This menu item offers a child lock for BD/DVD playback. Some BD/DVDs are labelled for specific age groups and cannot be played in a certain setting. Unfortunately, many BD/DVDs do not have proper protection and many self-burned copies and video movies also lack such protection.
A parent password is requested in order to open the menu. The factory default is "0000". Therefore, push the zero button four times and confirm by pushing the OK button under the password entry.

"Child lock"

On – Parental control is activated.
Off – Parental control is deactivated. Entry of the password is required for this.

"Age rating"

Set the protection level. Eight levels can be chosen from, which correspond to the recommendations of the MPAA (Motion Picture Association of America) for rating films:
1 [of no concern for a child audience]
2 – G (General Audience), suitable for all age groups
3 – PG (Parental Guidance), under adult supervision
4 – PG-13 (Parental Guidance 13), for at least 13 years of age and under adult supervision
5 [PG-R] (Parents Guidance - Restricted), only under adult supervision
6 [R] (Restricted), 17 years and older under adult supervision
7 [NC-17] (No Children 17 and under admitted), 18 and over
7 [Adults]

"Parental password"

Change the password: Enter the new password with the number buttons "1...0" and confirm with the enter button **41**.
Remember the new password! In an emergency, you can reset the receiver to the factory default (see next section).

"System" menu

Here you can define the general settings for the receiver.

"BD-Live"

Check if the Blu-ray disc is connected with the Internet.
Activate: The BD can access the Internet at any time.
Deactivate: The BD cannot load any data from the Internet**.**

"Screensaver duration"

After the period of inactivity which can be set here, the receiver will dim the screen e.g. to prevent burn-in with plasma screens.
Possible values: 20, 30 minutes. "Off" means that the screensaver is deactivated.

"Automatic deactivation"

After a period of inactivity which can be set here, the receiver will automatically turn off.
Possible values: "Off", 20, 30 minutes. "Off" means that the shut-off function is deactivated.

"Network update"

With this function (if available), you can load a new version of the operating system software for your receiver via your Internet connection.
First, the current version installed and the update version appear on the screen. With the navigation buttons **56** "◄" and **40** "►" select the item "OK" in order to perform the update or "Cancel" to abort the process. Then push the enter button **41**.
The update will take several minutes, during which time you may not deactivate the device and disconnect the Internet connection. Be sure to observe the instructions on the screen in the process.

"Restore factory default"

This resets all receiver settings to the factory default. You will have to set your individual settings again afterwards.

„DivX® VOD"

Here you can find the DivX® VOD Registration Code of your Impaq® 300 Blu-ray. Using this code, you can register your device in order to play copyright and copy protection secured DivX® videos. Learn more about it on the website www.divx.com.

"Network" menu

Here you can define the settings for the Internet connection. When you access the menu, a new menu will appear:

- Hard-wired – Set network
- Network test – Test connection

"Network test"

The receiver performs various tests and displays the respective result on the screen. You can abort the tests at any time with "Abort".

Once all tests are complete, the Internet connection is functional. Otherwise the receiver will indicate any error sources on the screen.

"Hard-wired"

Once accessed, the current "IP settings" will appear first of all:

- **Link status**: "Link Up" indicates that a network device is electronically linked to the receiver while "Link Down" indicates that there is no connection or that there is a connection error. Only for the purpose of information and cannot be changed**.**
- **MAC address**: This is the hardware address of the Ethernet interface, which is important when connecting to the router. Only for the purpose of information and cannot be changed**.**
- **IP mode**: "Dynamic" – The receiver automatically requests the necessary settings from a router (via DHCP). Recommended setting, then no other information is necessary. Prerequisite: Active DHCP server (e.g. router) on the network.
  "Manual" – The IP address and all other values must be set. These settings should only be made by a professional. Use the number buttons on the remote control for entry**.**
- **IP address**: The network address for the receiver consisting of four number series, each between 0 and 255, e.g. 192.168.001.100.
- **Net mask**: With the net mask, the receiver recognises which addresses it reaches on its own network and which it only reaches via the gateway (router). Consists of four number series, each between 0 and 255, e.g. 255.255.255.0.
- **Gateway**: Network address of the gateway (router), which monitors the Internet connection**.**
- **Primary DNS**: Network address of the domain name server, which locates the corresponding IP address for domain names (e.g. www.teufel.de). Comparable with a phone book.
- **Secondary DNS**: As above, it is used if the primary DNS fails.

To abort, push the button **42** "Return". To accept the entries, select the item "Apply" and push the enter button **41**. The receiver then automatically performs a network test (see above).

"BD-Live" menu

BD-Live is a function available with Blu-ray discs. By clicking the menu, you can download additional content such as trailers, documentation or director's comments on the movie you are watching via the Internet. You also have the option of participating in interactive online games or quizzes.
In the "BD-Live" menu, you define the boundary conditions for Internet access and the BD-Live memory.

"BD-Live"

Here you can allow Internet access at all times, restrict or block it.

"BD-Live memory"

Display of the available storage space on the inserted USB stick or display "No USB".

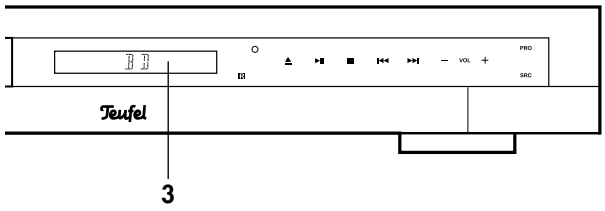
"Clear the Blu-ray memory"

Clear the memory occupied by BD-Live on the USB stick.

Audio Setup

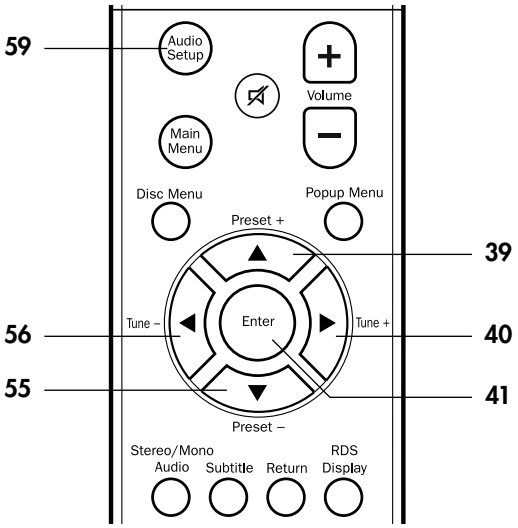
In this menu, you can permanently change
– the relative volume of the individual speakers (LEVEL)
– adjust the sound (TONE)
– activate and deactivate sound output at the HDMI output (HDMI AUDIO OUT).

Note: The menu items will appear on the display panel **3** so that you don't have to activate the television set or projector.
After six seconds of keypad inactivity, the device will return to normal mode.



LEVEL

1. Push the button **59** "Audio Setup".
   "LEVEL" will appear on the display panel **3**.
2. Confirm with the enter button **41**.
3. With the navigation buttons **39** "▲" or **55** "▼" select the desired speaker.
   LE – Left stereo speaker (left)
   RI – Right stereo speaker (right)
   SW – Subwoofer
4. With the navigation buttons **56** "◄" / **40** "►" set the relative volume from "–10" to "+10".
5. Confirm with the enter button **41**.



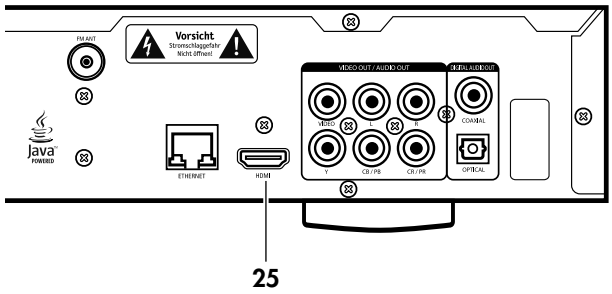
TONE

1. Push the button **59** "Audio Setup".
   "LEVEL" will appear on the display panel **3**.
2. With the navigation button **55** "▼" select the menu item "TONE" and confirm with the enter button **41**.
3. With the navigation buttons **39** "▲" or **55** "▼" select the item "BASS" or "TRE":
   BASS: low tones (bass tones)
   TRE: high tones (treble)
4. With the navigation buttons **56** "◄" and **40** "►", you can now set the selected range from "–6" to "+6".
5. End the process with the enter button **41**.

HDMI AUDIO OUT

You can switch sound transmission at the HDMI output **25** "HDMI OUT" on ("ON") and off ("OFF").
When you play movies, you do not need to mute the television set in order to hear sound from the receiver speakers.

1. Push the button **59** "Audio Setup".
   "LEVEL" will appear on the display panel **3**.
2. With the navigation button **55** "▼" select the menu item "HDMI AUDIO OUT" and confirm with the enter button **41**.
3. With the navigation buttons **56** "◄" and **40** "►" turn audio output on or off.
4. End the process with the enter button **41**.



Special function buttons

“Resolution” button

By pushing the button **52** “Resolution” repeatedly, you can adjust the resolution to your television set.
Possible values:
HDMI Auto, 1080p, 1080i, 720p, 576p, 576i
HDMI Auto will automatically select the highest possible resolution.
Note: The resolution of 1080p is only available at the HDMI output **25**.

“Tone” button

This button controls the sound.

1. Repeatedly pushing the button **48** “Tone” selects the item “Bass” or “Treble”:
   Bass: low tones (bass tones)
   Treble: high tones
2. With the navigation buttons **56** “◄” and **40** “►”, you can set the selected range from “–6” (decrease) to “+6” (increase).

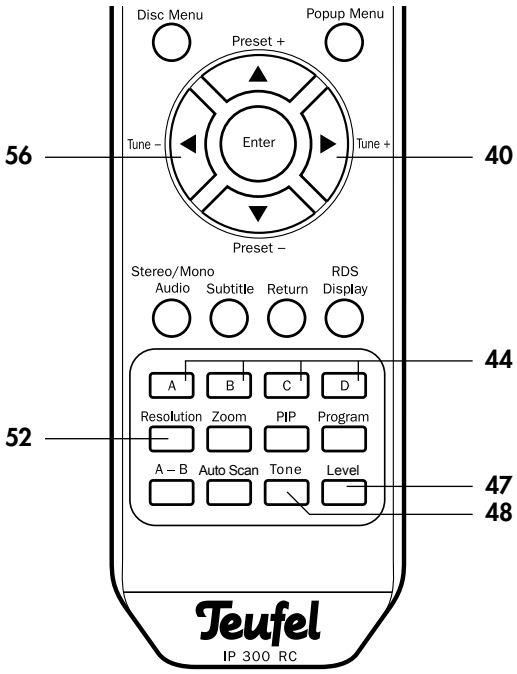
“Level” button

With this button you can adjust the volume of the individual speakers.

1. Repeatedly pushing the button **47** “Level” selects the desired speaker:
   LE – Left stereo speaker (left)
   RI – Right stereo speaker (right)
   SW – Subwoofer
2. With the navigation buttons **56** “◄” and **40** “►”, you can set the volume range from “–10” to “+10”.

Buttons “A B C D”

The coloured buttons **44** “A B C D” control the menus of interactive Blu-ray discs.



BD/DVD/CD mode

Suitable BDs/DVDs/CDs

- Only use commercially-available BDs/DVDs/CDs that have one of the adjacent symbols.
- BDs/DVDs/CDs containing files in the following formats are readable: CD audio, VCD, SVCD, DVD video, BD video, MP3 and JPEG.
- Normal BDs/DVDs/CDs with diameters of 80 and 120 mm can be used.
- Normally, burned BDs/DVDs/CDs can be read. However, an excessively high burning speed or low-quality blank CDs may cause problems. Unfortunately, the only solution here is trial and error.
- CDs that are produced for industrial use cannot always be read.

Handling BDs/DVDs/CDs

Each BD/DVD/CD is encased in a resistant plastic layer that protects it against outside influences. However, you still always have to protect the disc against dirt and scratches.

Your receiver can compensate minor damages to the BD/DVD/CD. Larger scratches or other damages may result in skipping or similar errors. Please also observe the information on the CD case for proper handling of BDs/DVDs/CDs!

Inserting a BD/DVD/CD

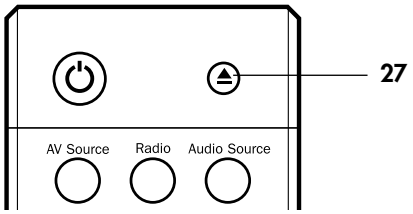
Attention **Risk of damage!**

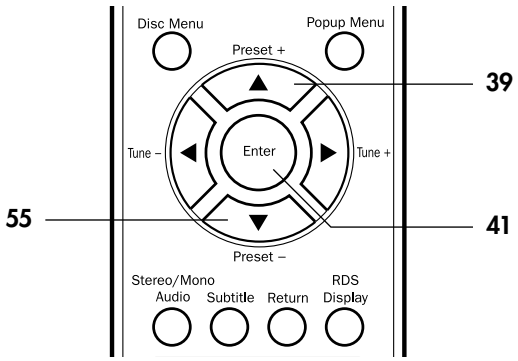
Do not in any case insert multiple BDs/DVDs/CDs on top of one another. Do not insert any objects other than BDs/DVDs/CDs.

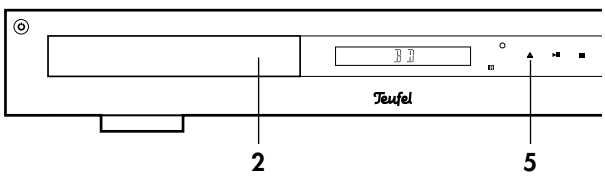
1. Push the button **5** or **27** "⏏". The tray **2** will eject to the front. At the same time, the device will switch to DISC mode.
2. Carefully place the BD/DVD/CD with the labelled side up in the tray recess.
3. Push the button **5** or **27** "⏏". The tray **2** is closed and the disc is read. With some BDs/DVDs, playback automatically begins after a few seconds.
   If the menu appears instead, select the item "BD ROM" with the navigation buttons **39** "▲" and **55** "▼" and push the enter button **41**.

You can control the BD/DVD menus with the navigation buttons and the enter button **41**.

The playback functions for the disc and USB are identical and are described in the section "Playback functions".







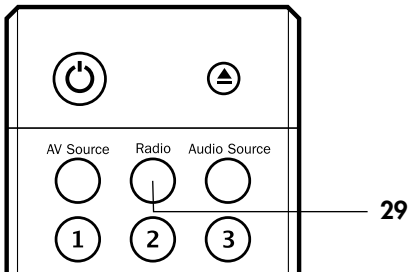
Ejecting a BD/DVD/CD

1. Push the button **5** or **27** "⏏". The tray will eject to the front.
2. Remove the BD/DVD/CD from the tray.
3. Push the button **5** or **27** "⏏". The tray is closed.

Radio playback

Select the source "Radio"

- Push the button **29** "RADIO" to select radio mode.

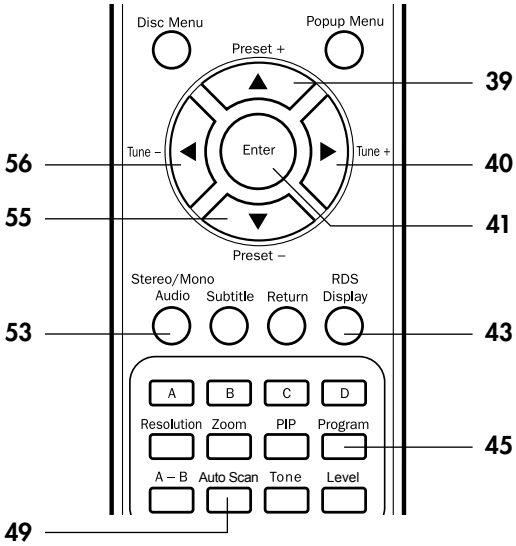


Setting the radio stations

You can set the tuning frequency directly using the number buttons or increase or decrease the tuning frequency in increments with the buttons **56** "**Tune–**/◄" and **40** "**Tune+**/►".

- **Set the frequency automatically**: After pushing and holding (for approx. 2 seconds) the button **56** "**Tune–**/◄" or **40** "**Tune+**/►", station scanning starts in the desired direction until a station with a sufficient signal is found.
- **Set the frequency manually**: Each time you tip the button **56** "**Tune–**/◄" or **40** "**Tune+**/►" increases or decreases the frequency by one increment (FM: 0.05 MHz, AM: 9 kHz).

The set frequency is displayed on the display panel **3**. If the station transmits an RDS signal, the name of the station is displayed shortly instead of the frequency. With the button **43** "RDS" you can access additional RDS information if the radio station provides such information.



Station memory

Your radio can save up to 39 stations. You can conveniently select the stations with the push of a button.

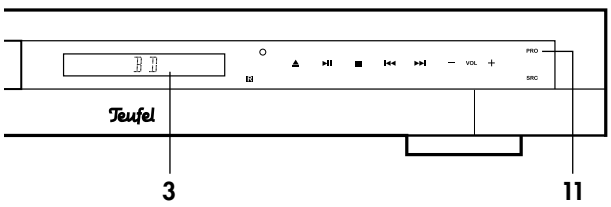
Saving stations automatically

- Push the button **49** "Auto Scan".
  The radio will now search for stations with a sufficient signal and save them automatically. Previously saved stations are deleted in the process.
- If more than 39 stations have been found, the message "FULL" will appear on the display panel and scanning terminates.

Saving stations manually

1. Set the desired station as described above.
2. Push the button **11** "PRO" or the button **45** "Program". A memory slot number will appear on the display panel.
3. Directly enter the desired memory slot number with the number buttons.
4. End the saving process by pushing the button **11** "PRO" or the button **45** "Program" again.

The station has now been stored. The device will return to normal operation after five seconds of button inactivity.



Selecting stations from the memory

You can access the stations saved in the memory consecutively with the buttons **39** "▲/Preset+" and **55** "▼/Preset–".

Stereo/Mono

Stations with a weak signal may cause faults in stereo mode. In this case, switch to mono mode by pushing the button **53** "Stereo/Mono".

USB mode

Your new receiver can read USB memory sticks with the specifications USB 1.0 and 2.0 and a capacity of up to 8 gigabytes and play back music files in MP3 format or WMA and photos in JPEG format that are saved on it.

USB stands for "universal serial bus". Every modern computer has a USB port for connecting a keyboard and mouse. USB storage sticks were originally developed as an alternative to computer diskettes and enable convenient data transport. These convenient sticks can now also be used with digital cameras and music playback devices.

Handling mobile storage devices

USB sticks are sensitive electronic devices and must therefore be handled with care. If you are not using your storage device, be absolutely sure to store it in its protective sleeve or have its protective cap on.

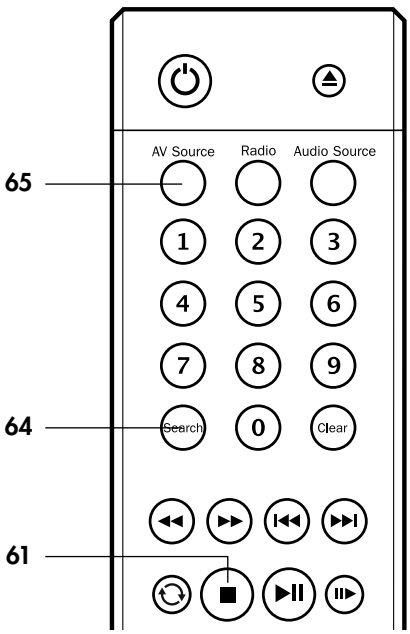
! **Important**
Do not use any storage devices that exhibit mechanical **damages or have fallen in a liquid. Do not subject the storage devices to direct sunlight**. Improper use may result in **data loss**! To the extent possible, backup your music on your PC.

Inserting and playing a USB stick

1. With the button **65** "AV Source" select DVD/Blu-ray mode and if necessary, stop playback.
2. Now insert the USB stick in the jack **13** "USB". Do not attempt to do so forcefully, the stick only fits the port in one position.
3. The USB stick will now be read. The message "MEDIA" will appear on the display panel **3**, this pictogram will appear on the screen:

The menu items "Images", "Videos" and "Music" will appear shortly thereafter if corresponding files are located on the stick.

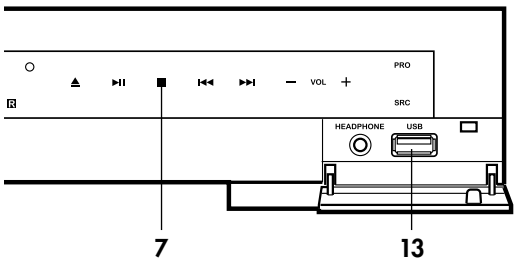
The playback functions for CD and USB are identical and are described in the next section "Playback functions".



Removing a USB stick

Attention **Risk of damage!**
Never remove the USB stick if the receiver is still accessing it!

1. Stop playback with the button **7** or **61** "■".
2. Wait until playback has ended.
3. You may now remove the USB stick.



Playback functions

General playback information

- Stop playback: Push the button **6** or **34** "▶II".
- Continue playback: Push the button **6** or **34** "▶II" again.
- Play the next track: Tip the button **9** or **33** "►►I".
- Play the previous track: Tip the button **8** or **32** "I◄◄".
- Play the track in fast forward (only with BD, DVD or music playback): Tip the button **62** "◄◄" or **63** "►► ". Each time you tip the button, the playback speed increases: 2x, 4x, 8x, 16x, 32x, 64x, 128x. Playback occurs without sound; you will see the elapsed track time on the display panel.
  To continue normal playback, push the button **6** or **34** "▶II".
- Frame-by-frame playback: Tip the button **35** "II▶". Each time you tip the button, the picture advances by one frame. To continue normal playback, push the button **6** or **34** "▶II".
- Stop playback: Push the button **7** or **61** "■".

Extra display for file playback

During music playback, an info window appears on the screen with the file name, track, artist and album (to the extent saved in the file).
The progress bar indicates the elapsed and total playing time for the current file.
On the right, you will see three symbols with the following meanings:

Playback (play/pause etc.)

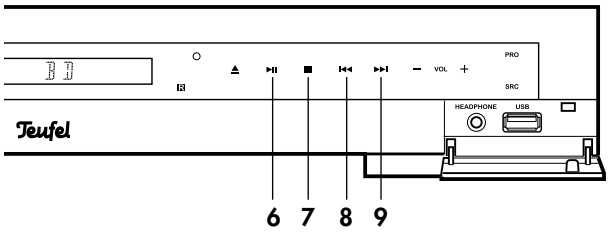
Playback (everything/file)

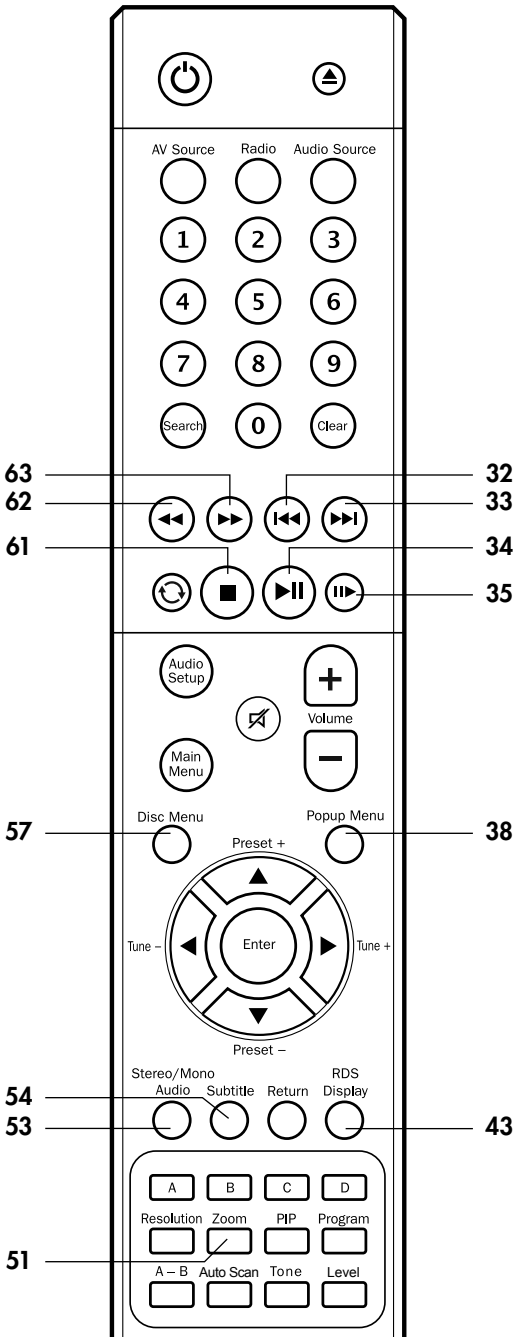
Random playback

Repeatedly pushing the button **60** ⟲ changes the settings for "Repeat" and "Random playback".

BD and DVD playback

- Access the BD/DVD menu: Push the button **57** "Disc Menu".
- Access the popup menu (if present on the BD/DVD): Push the button **38** "Popup Menu".
- Switch audio track (language): Push the button **53** "Audio" and select the desired audio track.
- Switch or deactivate subtitles (if available on the BD/DVD): Push the button **54** "Subtitle" and select the desired subtitle language or deactivate the subtitles.
- Enlarge the picture (if supported): Tipping the button **51** "Zoom" repeatedly enlarges the picture 2 and 4 fold.





Jumping to track, chapter or placemark

Start playback at a particular point on the BD/DVD:

1. Select the desired function with the button **64** "Search":
   Push 1 x: Go to track
   Push 2 x: Go to chapter
   Push 3 x: Go to time (example: Enter 013000 to start the movie at 1 hour and 30 minutes).
2. Enter the track/chapter number in the input field with the number buttons.
   The entry behind the input field is the number of tracks or chapters or the total playing time.
3. Confirm with the enter button **41**.

Camera angle (PIP)

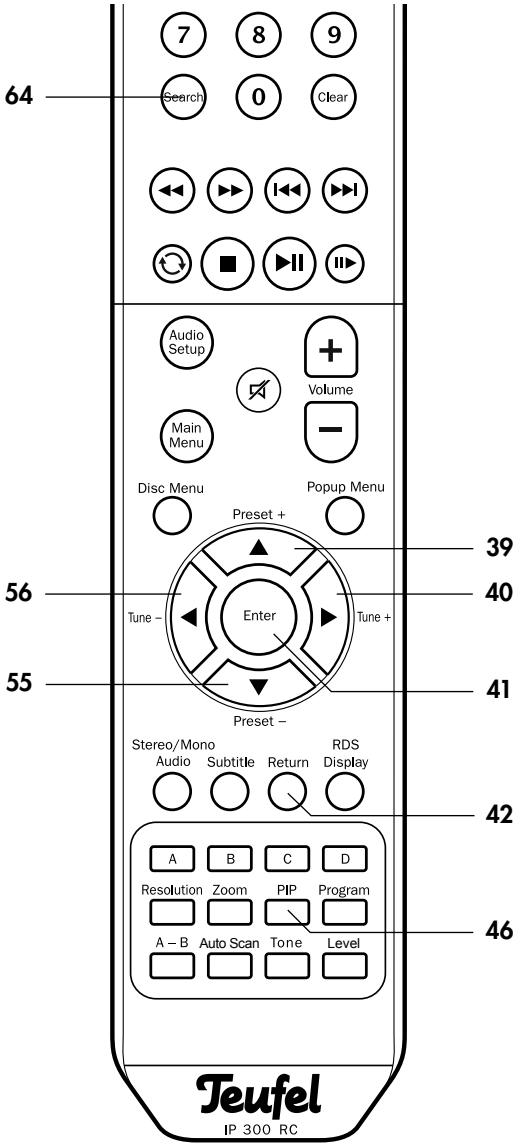
Some DVDs and Blu-ray discs contain movie scenes that were recorded with different cameras from different positions. The button **46** "PIP" selects the desired camera.

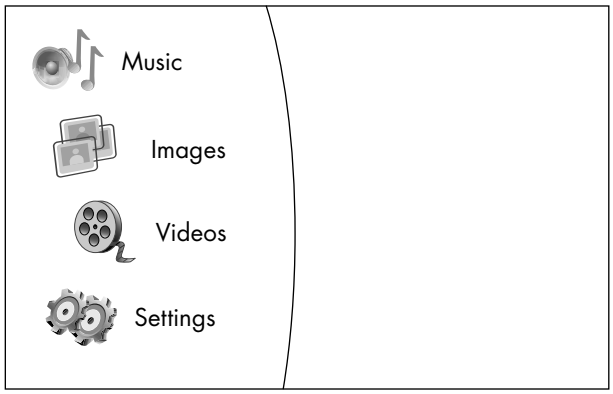
- Push the button **46** "PIP" to display the "Angle" window and with the navigation buttons **39** "▲" or **55** "▼" select the desired camera.

Selecting files

The content of DVDs, CDs and USB sticks, on which media files are saved, is displayed on the screen in a browser.
The left column shows the menu with the "Settings" and, if corresponding files are present, also the categories "Music", "Images" and "Videos".

1. With the navigation buttons **39** "▲" or **55** "▼" select the desired category and confirm the selection with the enter button **41**.
   A menu will now appear in the left column. The existing data storage devices ("USB" and/or "CD") or their content are listed in the column to the right.
2. With the navigation buttons select the desired data storage device, folder or the desired file and confirm each selection with the enter button **41**.
   The media files will now be played back.
3. Pushing the button **42** "Return" returns you to the parent folder or menu.





Playback options

Menu item "Play files"

- Select this menu item to play all music tracks from the selected folder.

Menu item "Start slideshow"

- Select this menu item in order to play back all images from the selected folder.
- During the slideshow, pushing the button **38** "Popup Menu" navigates to the slideshow menu with the following settings:
  – **Slideshow effects**– different crossfades from image to image.
  – **Slideshow delay**– display duration per image from 1 to 30 seconds

Start slideshow from a certain photo

1. If you want to start the slideshow from a certain photo, mark the photo and push the enter button **41**.
   The photo will now be displayed to fit the window.
2. Start the slideshow with the button **34** ▶II.

Slideshow with music

For a perfect slideshow, copy the images and a few suitable music tracks to a USB stick or a CD.

1. Begin by starting music playback.
2. With the button **42** "Return" go back to the menu and select "Search images" there.
3. Select the desired folder and then start the slideshow.

Repeat function (Repeat)

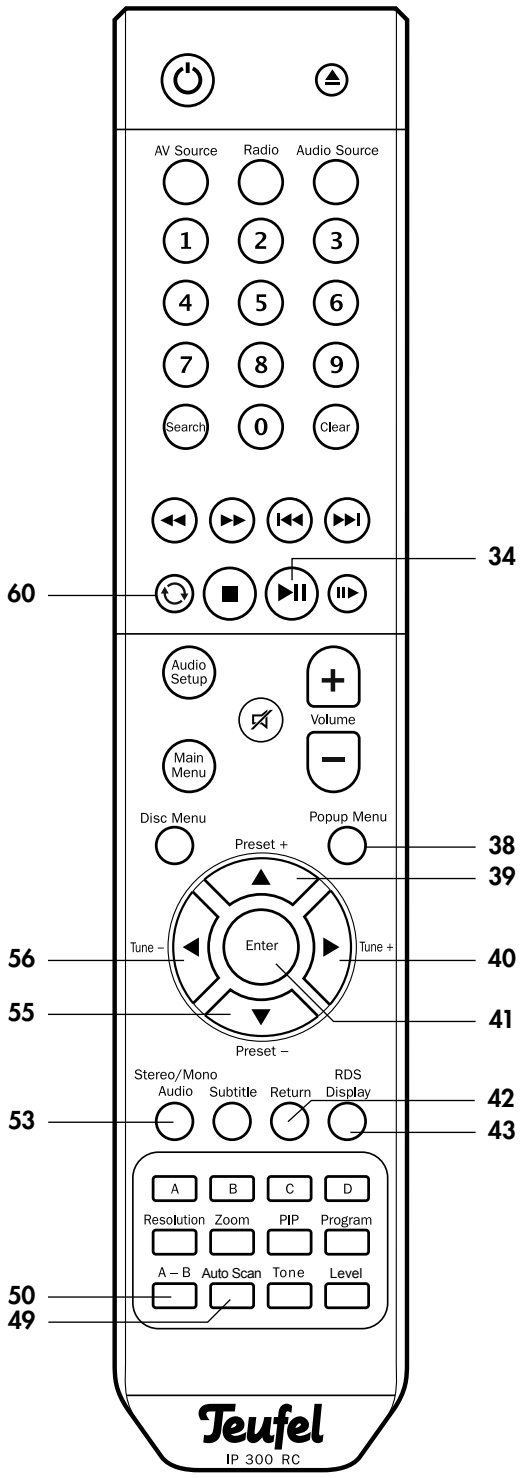
Tipping the button **60** ⟲ switches the repeat functions; you will see the selected function on the display panel and on the screen:

- Off – normal playback, no repeat
- File – repeat current file
- All – repeat all files
- Random – play in random order

Repeat section

With this function you can mark a section for repetition.
Note: This function is not available on most Blu-rays**.**

1. Start playback.
2. To start the desired section, briefly push the button **50** "A–B".
3. Briefly push the button **50** "A–B" again at the end of the desired section.
   The section will now be continually repeated.
4. To continue normal playback, briefly push the button **50** "A–B" again.



Troubleshooting

The following advice should help you to solve problems. If this doesn't work, please contact our hotline (see page 3). Take note of the warranty instructions.

Problem	Possible cause	Solution
The device doesn't work, the display is dark.	No power supply.	Check that the power plug is properly seated.
		Check the function of the socket with another device.
No CD/DVD/BD playback.	No disc inserted.	Insert a CD/DVD/BD.
	Disc inserted upside down.	Insert the disc with the labelled side up.
	Region code of the DVD/BD does not correspond to the device.	Insert DVD/BD with the correct region code.
	CD/DVD/BD damaged or dirty.	Clean or change the disc.
	Condensation in the device.	Remove the disc and do not use the device for one to two hours.
No picture	The television is not turned on.	Turn on the television.
	The wrong AV input jack has been selected on the television.	Select the right AV input jack on the television (e.g. HDMI 1).
	Incorrect HDMI resolution set on the receiver.	Check the settings and if applicable, change the resolution with the button **52** "Resolution". To get a picture, create a video link to the television set via **20** VIDEO (see page 11).
	The connector cable is incorrectly wired or loose.	Correct the cable connections.
	Connector cable damaged.	Replace the connector cable.
Picture fuzzy/distorted.	CD/DVD/BD damaged or dirty.	Clean or change disc.
	Incorrect colour standard (PAL/NTSC) set.	Set the correct colour standard (PAL/NTSC). PAL is the correct standard in Germany and Western Europe (except in France) (see page 15).
	Fault caused by interconnected devices such as video recorders.	Connect the devices directly.
	The television does not support the resolution.	Deactivate movie mode (see page 15).
"NO DISC" on the display.	CD/DVD/BD damaged, dirty, incompatible or inserted the wrong way around.	Clean or change disc.
Skipping to the next track or chapter doesn't work.	Some DVDs/Blu-rays do not permit skipping, for example, when the warning is shown at the beginning.	Continue playback.
	The DVD/Blu-ray only has one chapter.	Alternative: Use fast forward or skip to a placemarker (see page 23).
No audio output or not all audio channels are audible.	Speaker incorrectly wired.	Check and correct wiring.
	Audio settings incorrect.	Set the audio correctly (see page 15 and 18).
	Incorrect disc audio track selected.	Push the button **53** "Audio" and select another audio language.
	Receiver muted ("MUTE").	Push the button **36** 🔇 to deactivate mute.
	The playback speed is accelerated or slowed down.	Switch to normal playback with the PLAY button.
No or distorted music playback.	The data storage device contains files in a format other than MP3 or WMA.	Delete the incorrect files.
	File damaged.	Delete or skip file.

Problem	Possible cause	Solution
Remote control doesn't work.	No line of sight between the remote control and the device.	Remove any obstacles.
	Remote control not pointed properly.	Point the remote control towards the device.
	Batteries inserted in the remote control with incorrect polarity.	Insert the batteries the right way around (see diagram in the battery compartment).
	Batteries in the remote control are empty.	Insert new batteries.
The device no longer works after changing settings.	In the menu functions, there are many parameters that complicate or even prevent normal operation in the event of incorrect settings.	Reset the device to the factory default (see "System menu" on page 16).
Device has stopped responding.	Device has "crashed".	Pull the mains plug and after 5-10 seconds, insert it in the socket again.

Care and cleaning

Clean the device regularly with a soft, damp microfibre cloth. Please be absolutely sure to observe the following notes in the process:

Danger **Risk of electric shock!**

In contact with live parts, water can lead to electric shock or short circuit.

- Ensure that no liquid penetrates the unit.
- Disconnect the mains plug before cleaning.

Attention **Risk of damage!**

Using the wrong cleaning materials may damage the delicate surface of the case.

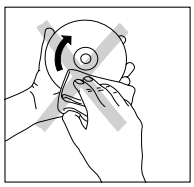
- If possible, only use plain water without any additives. In case of stubborn marks, a mild soap solution may be used.
- In no circumstances should caustic cleaning products, white spirit, thinners, petrol or similar be used for cleaning.

How to clean your discs

Only use cleaners suitable for cleaning your discs.

If necessary, carefully wipe off the disc with a soft, lint-free cloth from the middle to the edge. In the process, hold the disc between your index finger and thumb of the other hand.

Touching the playback side of the disc could cause playback problems.



Protecting the environment

Batteries and rechargeable batteries

Batteries and rechargeable batteries must not be disposed of with household waste!
Every consumer is required by law to bring all batteries and rechargeable batteries, whether they contain harmful substances*) or not, to a collection point run by the communal authority or borough or run commercially, so that they can be disposed of in an environmentally friendly manner.
Please only hand in fully discharged batteries and rechargeable batteries!

*) labelled with: Cd = Cadmium, Hg = Mercury, Pb = Lead

Disposing of the unit

Used units must not be disposed of with household waste.
If the unit is no longer operational, every consumer is required by law to dispose of used devices separately from household waste, e.g. at a collection point run by the communal authority borough. In this way it is ensured, that used devices are properly recycled and that negative consequences on the environment are avoided.
For this reason, electrical equipment is labelled with the displayed symbol.

Technical data

Operating voltage:	220–240 V~, 50/60 Hz
Dimensions (W x H x D):	43 x 7.4 x 36.5 cm
Net weight:	4.75 kg

Technical changes reserved!

CE This product conforms with Council of the European Union guidelines 2004/108/EC and 2006/95/EC.

Teufel

For questions, suggestions or other issues please contact our customer service department:

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Instruction No. 91768/HC-20120611